



EPA Region 5 Records Ctr.



317107

February 10, 2007

Mr. Timothy Fischer  
U. S. EPA - Region 5  
77 West Jackson Boulevard (SR-6J)  
Chicago, Illinois 60604-3590

**Re: Sauget Sites Area I - January 21, 1999 Administrative Order by Consent (AOC)  
Monthly Report January 1 – January 31, 2007**

Dear Mr. Fischer:

Enclosed is the Sauget Sites Area I Monthly Report for the January 2007 reporting period. This submittal is in fulfillment of the monthly requirements of Section 2.4 Reporting, of the January 21, 1999 Final Administrative Order by Consent for Sauget Sites Area I, Sauget and Cahokia, Illinois.

Sincerely,

A handwritten signature in black ink, appearing to read "S.D. Smith", written over a horizontal line.

Steven D. Smith  
Project Coordinator

**cc:** Kevin Turner – USEPA  
Tim Gouger - USACE  
Sandra Bron - IEPA  
Dave Webb - IDPH  
Mike Coffey - USF&W  
Richard Williams - Solutia  
Cathleen Bumb - Solutia  
Mayor Frank Bergman - Cahokia, IL  
Village of Sauget - c/o P. H. Weis & Associates (Attn: Brian Nelson)  
Mayor R. Sauget - Sauget, IL  
L. Glen Kurowski - Monsanto  
Linda Tape - Husch & Eppenberger

## **Sauget Sites Area I - Sauget, Illinois**

### **AOC - EECA / RIFS**

#### **Status Report**

**Date of Report:** February 10, 2007

**Period Covered:** January 1, 2007 - January 31, 2007

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#### **Work Performed during the Reporting Period**

Conditional approval of the plan to carry out a soil vapor investigation was received from the Agency on November 16<sup>th</sup>, subject to approved changes being made to the Work Plan and submission of a final document incorporating those changes. At that time, the Agency also approved the start of field activities in advance of the submission of the revised Work Plan. Soil vapor sampling activities started on November 29<sup>th</sup>, but were temporarily halted on November 30<sup>th</sup> because of bad weather. Sampling resumed on December 4<sup>th</sup>, but was halted again on December 5<sup>th</sup> because snow melt flooded the probe holes during probe installation. Sampling resumed on December 9<sup>th</sup> and was completed on December 11<sup>th</sup>. The samples have been analyzed and the results have been validated. A human health evaluation is currently being performed.

A Work Plan for DNAPL recovery at BR-I was approved by the Agency in a letter dated September 12, 2006. The activities described in that Work Plan began on October 31<sup>st</sup> and rehabilitation of BR-I was completed on November 2<sup>nd</sup>. A down-hole pump was installed in the well and tested on November 17<sup>th</sup> and all recoverable DNAPL was removed from the well on November 21<sup>st</sup>. A total of approximately 22 gallons of liquid were removed, of which about 6 gallons were DNAPL. The well was pumped again on November 28<sup>th</sup>, at which time 16.75 gallons of liquid were removed. This included about 7.75 gallons of DNAPL. Pumping took place again on December 5<sup>th</sup>, 14<sup>th</sup>, 19<sup>th</sup>, and 27<sup>th</sup> and on January 3<sup>rd</sup>, 10<sup>th</sup>, 16<sup>th</sup>, 26<sup>th</sup> and 30<sup>th</sup>. On each of these occasions the total fluid volume removed from the well varied between 16 and 18 gallons, with the DNAPL volume varying between 4.6 and 7.25 gallons. The well will be pumped weekly until the week of March 2<sup>nd</sup> in order to evaluate the rate of DNAPL recovery. The next pumping event is scheduled to occur on February 6<sup>th</sup>. Based on the results thus far, it appears that the DNAPL is recovering at a rate of slightly less than one gallon per day.

## **Attachments**

There are no Technical Memoranda or data submitted with this report.

## **Work Scheduled for Next Reporting Period**

- Complete vapor intrusion risk evaluation.
- Prepare final Work Plan for soil vapor investigation, including approved revisions.
- Prepare a data report with the results of the soil vapor investigation.
- Continue to pump and remove liquids from BR-I. .
- Begin preparation of the Ecological Risk Assessment Tech Memo for Dead Creek.

## **Submittal Status**

- The final Work Plan for the soil vapor investigation will be submitted, as will a data report with the results of that investigation.